

**APRIL/MAY 2024**

**CCA51/CCS51/CSC51— MOBILE  
APPLICATIONS DEVELOPMENT**

**Time : Three hours**

**Maximum : 75 marks**

**SECTION A — (10 × 2 = 20 marks)**

**Answer ALL questions.**

1. Define mobile application development.
2. Expand ADB.
3. Define GUI.
4. What are the basic views for intent?
5. What is data persistence?
6. Define user content provider.
7. What are the local services in android?
8. How to use handlers in multi-threading?
9. Define camera API.
10. What is motion sensor?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the Architecture of android platform.

Or

- (b) Discuss the Android studio and its working environment.

12. (a) What are the linking activities for intent? Explain.

Or

- (b) Write about the gallery and image view for intent.

13. (a) Examine the file handling in data persistence. Explain.

Or

- (b) What are the build content providers in android? Explain.

14. (a) Distinguish the communication between service and activity.

Or

- (b) Explain the HttpURLConnection in android network programming.

15. (a) What are the policies and process of uploading apps to Google play? Explain.

Or

- (b) Discuss about the environmental sensors.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborate the XML representation and android manifest file.

17. Discuss the grid view, options menu and context menu.

18. Illustrate the managing data using SQLite database.

19. Explain about the broad cast receivers.

20. Summarize the animations and graphics.